

REDACTED VERSION

PLM SOIL SAMPLING ANALYTICAL RESULTS
NOV 3 - DEC 9, 1997

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Amanda Looney
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 03 1997

Ref Number IN971521

POLARIZED LIGHT MICROSCOPY (PLM)

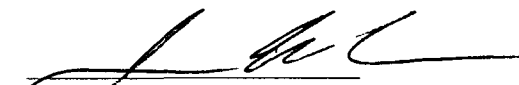
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1390G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other
WBS1390G03		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other
WBS1390G04		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other
WBS1390G06		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1390G07		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other
WBS1390G08		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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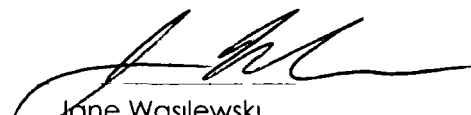
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1390G09	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	20% Chrysotile 5% Crocidolite			40% Quartz 35% Other
WBS1390G10		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1390G11		Brown Non Fibrous Homogeneous	Crushed	20% Chrysotile 5% Crocidolite			40% Quartz 35% Other
WBS1390G12		Brown Non Fibrous Homogeneous	Crushed	30% Chrysotile 5% Crocidolite			40% Quartz 25% Other
WBS1390G13		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other
WBS1390G14		Brown Non Fibrous Homogeneous	Crushed	15% Chrysotile 2% Crocidolite			40% Quartz 43% Other

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POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
WBS1505G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			60% Quartz 40% Other
WBS1505G02		Brown Non Fibrous Homogeneous	Crushed	None Detected			60% Quartz 40% Other
WBS400G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			60% Quartz 40% Other

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PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 10/30/97
Date/Time Due 10/31/97 9 00 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971521

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous		Non Fibrous		# Layers	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Vanous 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	1 Wavy 2 Straight 3 Specify	1 M 2 S		1 Parallel 2 Symmetric 3 Oblique		
Sample	Location	Appearance	Treatment	% ASBESTOS	Type	%	Type	%					
WBS 1390602		1		1-3			1	40	154 135 171				
		2	2	6-1			7	56	1 M 1 S 2				
		1							2 B 1 E 1				
G03		1		1-3			1	40	154 135 171				
		2	2	6-1			7	56	1 M 1 S 2				
		1							2 B 1 E 1				
G04		1		1-2			1	40	154 135 171				
		2	2	6-1			7	58	1 M 1 S 2				
		1							2 B 1 E 1				
G05		1		1-1			1	40	154 135 171				
		2	2	6-1			7	60	1 M 1 S 2				
		1							2 B 1 E 1				
G07		1		1-3			1	40	154 135 171				
		2	2	6-1			7	56	1 M 1 S 2				
		1							2 B 1 E 1				
G08		1		1-3			1	40	154 135 171				
		2	2	6-1			7	56	1 M 1 S 2				
		1							2 B 1 E 1				
G09		1		1-20			1	40	154 135 171				
		2	2	6-5			7	35	1 M 1 S 2				
		1							2 B 1 E 1				
G10		1		1-1			1	40	154 135 171				
		2	2	6-1			7	60	1 M 1 S 2				
		1							2 B 1 E 1				

Analyst [Signature] Date 11/03/97 Computer _____ Date _____

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1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Vanous 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div>1 W ry 2 Struggle 3 Specify</div> <div>1 Yes 2 No</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	
WBS 1390G-11		1	2	1-20			1	40		154 155 171
		2		6-5			7	35		1 M 1 S 2
		1							2 P 1 E 1	
G12		1	2	1-30			1	40		154 155 171
		2		6-5			7	25		1 M 1 S 2
		1							2 P 1 E 1	
G13		1	2	1-3			1	40		154 155 171
		2		6-1			7	56		1 M 1 S 2
		1							2 P 1 E 1	
↓ G14		1	2	1-15			1	40		154 155 171
		2		6-2			7	43		1 M 1 S 2
		1							2 P 1 E 1	
WBS 1505G-01		1	2	1-<1			1	60		154 155
		2					7	40		1 M 1 S
		1							2 P 1 E	
↓ G02		1	2	ND			1	60		154 155
		2					7	40		1 M 1 S
		1							2 P 1 E	
WBS 400G-01		1	2	1-<1			1	60		154 155 171
		2		6-<1			7	40		1 M 1 S 2
		1							2 P 1 E 1	
		1								
		2								
		1								

Analyst

Date

11/03/97

Computer

Date

CHAIN OF CUSTODY RECORD

PROJ NO 0520601 RAC-1		PROJECT NAME Westbank Asbestos		NO OF CON TAINERS		Asbestos (PLM)										REMARKS	
SAMPLERS (Signature) Duffy/Doe / Maggredi / Anne LeRoan																	
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION	EPA Tag #											
1390	10/29/97	0935	X		(b) (6)	1	X									6-165465	
WB51390 G03		0945	X			1	X									6-165466	
WB51390 G04		0945	X			1	X									6-165467	
WB51390 G06		0950	X			1	X									6-165468	
WB51390 G07	10/29/97	0935	X			1	X									6-165469	
WB51390 G08		0950	X			1	X									6-165470	
WB51390 G09		0940	X			1	X									6-165471	
WB51390 G10		0950	X			1	X									6-165472	
WB51390 G11		0939	X			1	X									6-165473	
WB51390 G12		0943	X			1	X									6-165478	
WB51390 G13		0955	X			1	X									6-165479	
WB51390 G014		0948	X			1	X									6-165480	
WB51505 G01		1108	X		(b) (6)	1	X									6-165476	
WB51505 G02		1113	X			1	X									6-165481	
WB51500 G01		1115	X		(b) (6)	1	X									6-165482	
Relinquished by (Signature) Anne LeRoan		Date / Time 10-29-97 0700		Received by (Signature) Duffy/Doe		Date / Time 11/30/97 9AM		Relinquished by (Signature)		Date / Time		Received by (Signature)					
Relinquished by (Signature)		Date / Time		Received by (Signature)		Date / Time		Relinquished by (Signature)		Date / Time		Received by (Signature)					
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks									
Shipped by FedEx				Airbill Number 800858286743													

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

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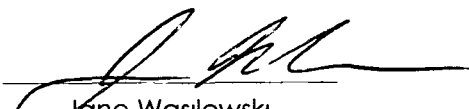
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Project WESTBANK ASBESTOS

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				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1523G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1523G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other
WBS1390G17		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other
WBS1390G18		Brown Non Fibrous Homogeneous	Crushed	20% Chrysotile 5% Crocidolite			40% Quartz 35% Other
WBS1390G19		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other
WBS1390G20		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other

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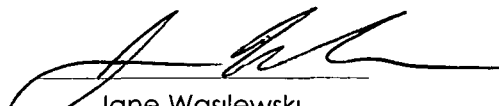
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Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS
WBS1390G21	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	10% Chrysotile 2% Crocidolite			40% Quartz 48% Other
WBS1390G22		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1390G23		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other
WBS1390G24		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other
WBS1390G25		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other
WBS1390G26		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other

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SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1390G27	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1390G28		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile < 1% Crocidolite			40% Quartz 57% Other
WBS1390G29		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other
WBS1390G30		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other
WBS1390G31		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other
WBS1390G32		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			40% Quartz 58% Other

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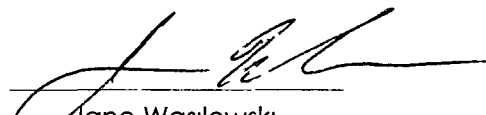
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SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS1390G33	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite		40% Quartz 58% Other	
WBS1390G34		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite		40% Quartz 58% Other	
WBS1390G35		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite		40% Quartz 58% Other	

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1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div> <div>1 Wavy 2 Straight 3 Specify</div> <div> <div>1 Yes 2 No</div> <div> <div>1 Low 2 Med 3 High</div> <div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div> </div> </div> </div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	
WBS1523601		1	2	1- <1			1	40		154 155 171
		2		6- <1			7	60		1 M 1 S 2
		1							2 B 1 E 1	
↓ G02		1	2	1- <1			1	40		154 155 171
		2					7	60		1 M 1 S 2
		1							2 B 1 E 1	
WBS1390617		1	2	31-3			1	40		154 155 171
		2		6- 1			7	56		1 M 1 S 2
		1							2 B 1 E 1	
G18		1	2	1- 20			1	40		154 155 171
		2		6- 5			7	35		1 M 1 S 2
		1							2 B 1 E 1	
G19		1	2	1- 3			1	40		154 155 171
		2		6- 1			7	56		1 M 1 S 2
		1							2 B 1 E 1	
G20		1	2	1- 2			1	40		154 155 171
		2		6- <1			7	58		1 M 1 S 2
		1							2 B 1 E 1	
↓ G21		1	2	1- 10			1	40		154 155 171
		2		6- 2			7	48		1 M 1 S 2
		1							2 B 1 E 1	
↓ G22		1	2	1- <1			1	40		154 155 171
		2		6- <1			7	60		1 M 1 S 2
		1							2 B 1 E 1	

Analyst

Date

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IN971522

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous		Non-Fibrous		# Layers	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other				1 Wavy 2 Straight 3 Spindly	1 S 2	1 Parallel 2 Symmetric 3 Oblique
Sample	Location	Appearance	Treatment	% ASBESTOS		Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers			
WBS 1390	G-23	1 2 1	2	1-2 6- \angle 1				1 7	40 58		154 1 2	155 M B	171 S E
	G-24	1 2 1	2	1-2 6- \angle 1				1 7	40 58		154 1 2	155 M B	171 S E
	G-25	1 2 1	2	1-2 6- \angle 1				1 7	40 58		154 1 2	155 M B	171 S E
	G-26	1 2 1	2	1-2 6- \angle 1				1 7	40 58		154 1 2	155 M B	171 S E
	G-27	1 2 1	2	1- \angle 1 6- \angle 1				1 7	40 60		154 1 2	155 M B	171 S E
	G-28	1 2 1	2	1-3 6- \angle 1				1 7	40 57		154 1 2	155 M B	171 S E
	G-29	1 2 1	2	1-2 6- \angle 1				1 7	40 58		154 1 2	155 M B	171 S E
	G-30	1 2 1	2	1-3 6-1				1 7	40 56		154 1 2	155 M B	171 S E

Analyst

Date

11/03/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environment

Logged 10/30/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 10/31/97 9 00 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971522

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results		Fibrous		Non Fibrous		# Layers	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other			I I M 1 W vy 2 Straight 3 Specify P 1 Yes 2 No B 1 Low 2 Med 3 High E 1 Parallel 2 Symmetric 3 Oblique				
Sample	Location	Appearance	Treatment	% ASBESTOS	Type	%	Type	%						
WBS1390631		1	2	1-2			1	40	154 ¹ 155 ¹ 171 ¹					
		2		6- <1			7	58	1 ^M 1 ^S 2 ^E					
		1							2 ^B 1 ^E 1 ^I					
G32		1	2	1-2			1	40	154 ¹ 155 ¹ 171 ¹					
		2		6- <1			7	58	1 ^M 1 ^S 2 ^E					
		1							2 ^B 1 ^E 1 ^I					
G33		1	2	1-2			1	40	154 ¹ 155 ¹ 171 ¹					
		2		6- <1			7	58	1 ^M 1 ^S 2 ^E					
		1							2 ^B 1 ^E 1 ^I					
G34		1	2	1-2			1	40	154 ¹ 155 ¹ 171 ¹					
		2		6 <1			7	58	1 ^M 1 ^S 2 ^E					
		1							2 ^B 1 ^E 1 ^I					
✓ G35		1	2	1-2			1	40	154 ¹ 155 ¹ 171 ¹					
		2		6- <1			7	58	1 ^M 1 ^S 2 ^E					
		1							2 ^B 1 ^E 1 ^I					
									I II					
									M S					
									P B E					
									I II					
									M S					
									P B E					
									I II					
									M S					
									P B E					

Analyst

~~Date~~

11/03/97

Computer

Date

CHAIN OF CUSTODY RECORD

PROJ NO 020609 RAC, I		PROJECT NAME Westbank Asbestos		NO OF CON TAINERS		REMARKS Asbestos (PLM)										
SAMPLERS (Signature) Amel Hoef / D. M. / Magdon																
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION											
WBS1533 G01	10/24/97	1530		X	(b) (6)	1	X									6-165483
WBS1523 G02		1534	X		(b) (6)	1	X									6-165484
WBS1390 G15	10/20/97				(b) (6)	1	X									6-165485
WBS1390 G16						1	X									6-165486
WBS1390 G17		1717				1	X									6-165487
WBS1390 G18						1	X									6-165488
WBS1390 G19		1716				1	X									6-165489
WBS1390 G20		1701				1	X									6-165490
WBS1390 G21		1723				1	X									6-165491
WBS1390 G22		1655				1	X									6-165492
WBS1390 G23		1659				1	X									6-165493
WBS1390 G24		1702				1	X									6-165494
WBS1390 G25		1713				1	X									6-165495
WBS1390 G26		1713				1	X									6-165496
WBS1390 G27		1715				1	X									6-165504

Relinquished by (Signature) Amel Hoef	Date / Time 10-29-97 0600 10-28-97 1800	Received by (Signature) D. M.	Relinquished by (Signature)	Date / Time	Received by (Signature)
Relinquished by (Signature)	Date / Time	Received by (Signature)	Relinquished by (Signature)	Date / Time	Received by (Signature)
Relinquished by (Signature)	Date / Time	Received for Laboratory by (Signature)	Date / Time	Remarks	
Shipped by FedEx		Airbill Number 800858286732			

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

CHAIN OF CUSTODY RECORD

PROJ NO 020601 RAG		PROJECT NAME Westbank Asbestos				NO OF CON TAINERS	REMARKS <i>Asbestos (P.M.)</i>									
SAMPLERS (Signature) <i>Amel Local / D. Magielen</i>																
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION											
WBS1390 G28	10/28/97				(b) (6)	1	X									6-165505
WBS1390 G29		1718				1	X									6-165506
WBS1390 G30		1709				1	X									6-165507
WBS1390 G31		1712				1	X									6-165508
WBS1390 G32		1705				1	X									6-165509
WBS1390 G33		1700				1	X									6-165510
WBS1390 G34		1704				1	X									6-165511
WBS1390 G35		1706				1	X									6-165512
WBS1390 G36						1	X									6-165513 PMS 10/20/97
WBS1390 G37						1	X									6-165514 DMB 10/20/97
WBS1390 G38	10/28/97				(b) (6)	1	X									6-165515 DMB 10/20/97
Relinquished by (Signature) <i>Amel Local</i>		Date / Time 10-29-97/0600		Received by (Signature) <i>D. Magielen</i>		Date / Time 10/30/97 9 AM		Relinquished by (Signature)		Date / Time		Received by (Signature)				
Relinquished by (Signature)		Date / Time		Received by (Signature)		Date / Time		Relinquished by (Signature)		Date / Time		Received by (Signature)				
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks								
Shipped by <i>FedEx</i>				Airbill Number <i>800858286732</i>												

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Amanda Looney
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 03 1997

REC'D NOV 10 1997

Ref Number IN971533

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1482G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile		78% Quartz 20% Other
WBS1482G02		Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile		78% Quartz 20% Other
WBS1071G01		Brown Non Fibrous Homogeneous	Crushed		None Detected		80% Quartz 20% Other
WBS349G01		Brown Non Fibrous Homogeneous	Crushed		None Detected		80% Quartz 20% Other
WBS1149G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		80% Quartz 20% Other
WBS1149G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

Margaret Phillips

Margaret Phillips
Analyst

[Signature]

Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0).

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Amanda Looney
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 03 1997

Ref Number IN971533

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1496G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile < 1% Crocidolite		78% Quartz 20% Other
WBS1496G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other
WBS1496G03	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other
WBS929G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		80% Quartz 20% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Margaret Phillips
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0).

PROJ NO 020681						PROJECT NAME Westbank Asbestos							NO OF CONTAINERS		<div style="text-align: center;">REMARKS</div>														
SAMPLER'S (Signature) <i>[Signature]</i>																													
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION																								
WBSH82 G01	↓	900	X		(b) (6)		X										EPA Tag # 6-165526												
WBSH82 G02	↓	905	X		(b) (6)		X										6-165527												
WBSH82 G01	↓	0948	X		(b) (6)		X										6-165528												
WBSH82 G01	↓	1035	X		(b) (6)		X										6-165529												
WBSH82 G01	↓	1304	X		(b) (6)		X										6-165530												
WBSH82 G02	↓	1306	X	X	(b) (6)		X										6-165531												
WBSH82 G01	↓	1420	X		(b) (6)		X										6-165532												
WBSH82 G02	↓	1425	X		(b) (6)		X										6-165533												
WBSH82 G03	↓	1430	X		(b) (6)		X										6-165534												
WBSH82 G01	↓	1530	X		(b) (6)		X										6-165535												
Relinquished by (Signature) <i>[Signature]</i>						Date / Time 10-30-97 1700						Received by (Signature) <i>[Signature]</i>						Date / Time 10/31/97 9AM											
Relinquished by (Signature)						Date / Time						Received by (Signature)						Date / Time											
Relinquished by (Signature)						Date / Time						Received for Laboratory by (Signature)						Date / Time						Remarks					
Shipped by FEDEX						Airbill Number 806585828676E																							

Distribution White Accompanies Shipment Pink to Coordinator Field Files

EPA 7500-53
(11/96)

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

6- 08947

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 10/31/97
Date/Time Due 11/3/97 9 00 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN971533

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties								
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	<table border="1"> <tr> <td>1 Wavy</td> <td>1 Parallel</td> </tr> <tr> <td>2 Straight</td> <td>2 Symmetric</td> </tr> <tr> <td>3 Specify</td> <td>3 Oblique</td> </tr> </table>			1 Wavy	1 Parallel	2 Straight	2 Symmetric	3 Specify	3 Oblique
1 Wavy	1 Parallel															
2 Straight	2 Symmetric															
3 Specify	3 Oblique															
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica									
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum									
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate									
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix									
					6 Crocidolite	6 Wollastonite	6 Perlite									
					0 None Detected	7 Hair	7 Other									
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers							
WBS 1482601		1	2	1-2%			1	78		1.54 1.55						
		2					7	20		1 ^M 1 ^S						
		1								2 1 ^P 1 ^E						
1482602		1	2	1-2%			1	78		1.54 1.55						
		2					7	20		1 ^M 1 ^S						
		1								2 1 ^P 1 ^E						
1071601		1	2	NO			1	80		1 1 ^I						
		2					7	20		1 ^M 1 ^S						
		1								2 1 ^P 1 ^E						
349601		1	2	NO			1	80		1 1 ^I						
		2					7	20		1 ^M 1 ^S						
		1								2 1 ^P 1 ^E						
1149601		1	2	1-<1%			1	80		1.54 1.55 1.7						
		2					7	20		1 ^M 1 ^S 2						
		1								2 1 ^P 1 ^E 1 ^I						
1149602		1	2	1-<1%			1	80		1.54 1.55						
		2					7	20		1 ^M 1 ^S						
		1								2 1 ^P 1 ^E						
1496601		1	2	1-2%			1	78		1.54 1.55 1.7						
		2					7	20		1 ^M 1 ^S 2						
		1								2 1 ^P 1 ^E 1 ^I						
1496602		1	2	1-<1%			1	80		1.54 1.55						
		2					7	20		1 ^M 1 ^S						
		1								2 1 ^P 1 ^E						

Analyst Margaret Phillips Date 11/3/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 10/31/97

TAT 1 Day

2

Date/Time Due 11/3/97 9 00 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971533

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties											
1 Brown	6 Vanous	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	<table border="1"> <tr> <td>1 W</td> <td>1 M</td> <td>1 S</td> </tr> <tr> <td>2 Vv</td> <td>2 L</td> <td>2 S</td> </tr> <tr> <td>3 Stragg</td> <td>3 Spec</td> <td></td> </tr> </table>			1 W	1 M	1 S	2 Vv	2 L	2 S	3 Stragg	3 Spec	
1 W	1 M	1 S																	
2 Vv	2 L	2 S																	
3 Stragg	3 Spec																		
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica												
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum												
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate												
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrx												
					6 Crocidolite	6 Wollastonite	6 Perlite												
					0 None Detected	7 Hair	7 Other												
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers										
WGS 1496603		1	2	1- < 1%			1	80		1.54 1.55 ¹¹									
		2					7	20		1 M 1 S									
		1								2 B 1 E									
↓ 429601		1	2	1- < 1%			1	80		1.54 1.55 ¹¹									
		2					7	20		1 M 1 S 2									
		1								2 B 1 E 11									
										I II									
										M S									
										P B E									
										I II									
										M S									
										P B E									
										I II									
										M S									
										P B E									
										I II									
										M S									
										P B E									
										I II									
										M S									
										P B E									

Analyst Maquet & Phillips Date 11/3/97 Computer _____ Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Amanda Looney
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday November 05 1997

Ref Number IN971557

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1297G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1297G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS929G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS414G03		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS1517G01		Brown Non Fibrous Homogeneous	Crushed		None Detected		30% Quartz 70% Other
WBS1517G02		Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile		30% Quartz 68% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188 0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Amanda Looney
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday November 05 1997

Ref Number IN971557

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1468G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		40% Quartz 60% Other
WBS1468G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		40% Quartz 60% Other
WBS1468G03		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		40% Quartz 60% Other
WBS1468G04		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

OFFICIAL
CHAIN OF CUSTODY RECORD

p-1 of 1

PROJ NO 0206001 RAC-1		PROJECT NAME Westbank Asbestos				NO OF CON TAINERS	REMARKS										
SAMPLERS (Signature) <i>[Signature]</i>		Deena Petaluma Maggie in Chile, Chile															
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION												
WBS1297 G01	10-31-97	1005	X		(b) (6)	1	X										EPA Tag# 6-165536
WBS1297 G02	↓	1010	X		↓	1	X										6-165537
WBS1297 G03	↓	1150	X		(b) (6)	1	X										6-165539
WBS1297 G04	↓	1500	X		↓	1	X										6-165540
WBS1517 G01	11-03-97	0943	X		↓	1	X										6-165541
WBS1517 G02	↓	0946	X		↓	1	X										6-165542
WBS1529 G01	11-3-97		X		(b) (6)	1	X										6-165543 17d 11-3
WBS1529 G02			X		↓	1	X										6-165544 17d 11-3
WBS1529 G03			X		↓	1	X										6-165545 17d 11-3
WBS1529 G04	↓		X		↓	1	X										6-165546 17d 11-3
WBS1468 G01	11-3-97	1548	X		(b) (6)	1	X										6-165543
WBS1468 G02		1548	X		↓	1	X										6-165544
WBS1468 G03		1551	X		↓	1	X										6-165545
WBS1468 G04	↓	1555	X		↓	1	X										6-165546
Min																	
Relinquished by (Signature) <i>[Signature]</i>		Date / Time 10-31-97 1515		Received by (Signature) <i>[Signature]</i>		Relinquished by (Signature) <i>[Signature]</i>		Date / Time 11-3-97 1700		Received by (Signature)							
Relinquished by (Signature)		Date / Time		Received by (Signature) <i>[Signature]</i>		Relinquished by (Signature) <i>[Signature]</i>		Date / Time 11/4/97 9AM		Received by (Signature)							
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks									
Shipped by FedEx				Airbill Number 800858286824													

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

PLM Analysis Worksheet

Client Ecology & Environment

Logged 11/4/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 11/5/97 9 00 AM

Fax (504) 363 4732

Special Handling

Billing Number

IN971557

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties					
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div> <div>1 Wavy 2 Straight 3 Specify</div> <div> <div>1 Low 2 Med 3 High</div> <div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div> </div> </div>					
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers				
WBS 1297601		1 2	2	1- <1			1 7	40 60		154 155	1 1	1 S	
↓	G02	1 2	2	1- <1 6- <1			1 7	40 60		154 155	1 1	1 S	17117 22
WBS 929602		1 2	2	1- <1			1 7	40 60		154 155	1 1	1 S	11
WBS 414603		1 2	2	1- <1 6- <1			1 7	40 60		154 155	1 1	1 S	17117 22
WBS 1517601		1 2	2	ND			1 7	30 70		154 155	1 1	1 S	11
↓	G02	1 2	2	1-2			1 7	30 68		154 155	1 1	1 S	17117
WBS 1468601		1 2	2	1- <1 6- <1			1 7	40 60		154 155	1 1	1 S	17117 22
↓	G02	1 2	2	1- <1 6- <1			1 7	40 60		154 155	1 1	1 S	17117 22

Analyst

Date

11/05/97

Computer

Date

PLM Analysis Worksheet

Client	Ecology & Environment
Address	11550 New Castle Avenue Baton Rouge LA 70816

Logged 11/4/97

Date/Time Due 11/5/97 9 00 AM

TAT 1 Day

Fax (504) 363 4732

Project WESTBANK ASBESTOS

Special Handling

Billing Number

IN971557

[illegible]**Analyst**

Date _____

11/05/97

Computer

Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Maggie Lin
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday November 06 1997

Ref Number IN971567

POLARIZED LIGHT MICROSCOPY (PLM)

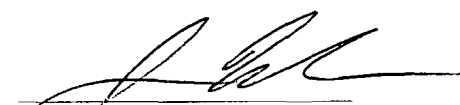
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS 020601 RAG1

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1529G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		60% Quartz 40% Other
WBS1529G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		60% Quartz 40% Other
WBS1529G03		Brown Non Fibrous Homogeneous	Crushed	< 1% < 1%	Chrysotile Crocidolite		60% Quartz 40% Other
WBS1555G01		Brown Non Fibrous Homogeneous	Crushed	< 1% < 1%	Chrysotile Crocidolite		60% Quartz 40% Other
WBS1555G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		60% Quartz 40% Other
WBS1555G03		Brown Non Fibrous Homogeneous	Crushed	< 1% < 1%	Chrysotile Crocidolite		60% Quartz 40% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Maggie Lin
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday November 06 1997

Ref Number IN971567

POLARIZED LIGHT MICROSCOPY (PLM)

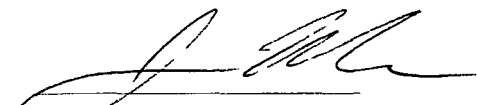
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS 020601 RAG1

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1555G04	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		30% Quartz 70% Other
WBS1262G01		Brown Non Fibrous Homogeneous	Crushed		< 1% Chrysotile		60% Quartz 40% Other
WBS1262G02		Brown Non Fibrous Homogeneous	Crushed		2% Chrysotile		60% Quartz 38% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

OFFICIAL
CHAIN OF CUSTODY RECORD

p-1 of 1

PROJ NO 020601 RAG1		PROJECT NAME Westbank Asbestos				NO OF CON TAINERS	REMARKS PLM (asbestos)									
SAMPLERS (Signature) Maggie Jim / [Signature] / Reina DelPalma							EPA Tag #									
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION											
WB5529 G01	11-4	1400	X		(b) (6)	1	X								6-165547	
WB5529 G02	↓	1402	X		↓	1	X								6-165548	
WB5529 G03	↓	1405	X		↓	1	X								6-165549	
WB5558 G01	11-4	1520	X		(b) (6)	1	X								6-165550	
WB5558 G02	↓	1525	X		↓	1	X								6-165551	
WB5558 G03	↓	1530	X		↓	1	X								6-165552	
WB5558 G04	↓	1535	X		↓	1	X								6-165553	
WB51262 G01	11-4	1615	X		(b) (6)	1	X								6-165554	
WB51262 G02	11-4	1620	X		↓	1	X								6-165555	
Maggie Jim																
Relinquished by (Signature) Maggie Jim		Date / Time 11-4-97 1700		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)						
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)						
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time 11/5/97 4:00a		Remarks								
Shipped by FedEx				Airbill Number 800858286846												

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/5/97
Date/Time Due 11/6/97 9 08 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN971567

Project WESTBANK ASBESTOS 020601 RAG1

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties																																																					
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	<table border="1"> <tr> <td>1 W vy</td> <td>1 Low</td> <td>1 Parallel</td> </tr> <tr> <td>2 Grey</td> <td>7 Black</td> <td>2 Non-Fibrous</td> <td>2 Heterogeneous</td> <td>2 Crushed</td> <td>2 Amosite</td> <td>2 Glass</td> <td>2 Mica</td> </tr> <tr> <td>3 Tan</td> <td>8 Silver</td> <td>3 Other</td> <td>3 Other</td> <td>3 Dissolved</td> <td>3 Anthophyllite</td> <td>3 Min Wool</td> <td>3 Gypsum</td> </tr> <tr> <td>4 White</td> <td>9 Blue</td> <td></td> <td>4 Layers (#)</td> <td>4 Ashed</td> <td>4 Tremolite</td> <td>4 Synthetic</td> <td>4 Cal Carbonate</td> </tr> <tr> <td>5 Red</td> <td>0 Orange</td> <td></td> <td></td> <td></td> <td>5 Actinolite</td> <td>5 Other</td> <td>5 Matrix</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6 Crocidolite</td> <td>6 Wollastonite</td> <td>6 Perlite</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0 None Detected</td> <td>7 Hair</td> <td>7 Other</td> </tr> </table>			1 W vy	1 Low	1 Parallel	2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica	3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum	4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate	5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix						6 Crocidolite	6 Wollastonite	6 Perlite						0 None Detected	7 Hair	7 Other
1 W vy	1 Low	1 Parallel																																																											
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica																																																						
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum																																																						
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate																																																						
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix																																																						
					6 Crocidolite	6 Wollastonite	6 Perlite																																																						
					0 None Detected	7 Hair	7 Other																																																						
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers																																																				
WBS1529G01		1		ND			1	60																																																					
		2	2				7	40																																																					
		1																																																											
	G02	1		1- <1			1	60		154 155																																																			
		2	2				7	40		1 M 1 S																																																			
		1								P 2 B 1 E																																																			
	G03	1		1- <1			1	60		154 155 1711																																																			
		2	2	6- <1			7	40		1 M 1 S 2 2																																																			
		1								2 P 1 E 111																																																			
WBS1535G01		1		1- <1			1	60		154 155 1711																																																			
		2	2	6- <1			7	40		1 M 1 S 2 2																																																			
		1								P 2 B 1 E 111																																																			
	G02	1		1- <1			1	60		154 155																																																			
		2	2				7	40		1 M 1 S																																																			
		1								2 P 1 E																																																			
	G03	1		1- <1			1	60		154 155 1711																																																			
		2	2	6- <1			7	40		1 M 1 S 2 2																																																			
		1								2 P 1 E 111																																																			
	G04	1		ND			1	30																																																					
		2	2				7	70		M S																																																			
		1								P B E																																																			
WBS1262G01		1		1- <1			1	60		154 155																																																			
		2	2				7	40		1 M 1 S																																																			
		1								2 P 1 E																																																			

Analyst

Date

11/6/97

Computer

Date

PLM Analysis Worksheet

Client **Ecology & Environment**
Address **11550 New Castle Avenue**
Baton Rouge LA 70816

Logged **11/5/97**
Date/Time Due **11/6/97 9 08 AM**

TAT **1 Day**

Fax **(504) 363 - 4732**


Special Handling

Billing Number

IN971567

Project **WESTBANK ASBESTOS 020601 RAG1**

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div>1 Wavy 2 Straight 3 Specify</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers	
WBS 1262 GU2		1		1-2			1	60		1 54 1 1 35
		2	2				7	38		1 M 1 S
		1								P2 P 1 E
										M S
										P B E
										M S
										P B E
										M S
										P B E
										M S
										P B E
										M S
										P B E

Analyst  Date 11/6/97 Computer _____ Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Maggie Lin
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 10 1997

Ref Number IN971578

POLARIZED LIGHT MICROSCOPY (PLM)

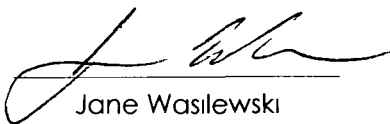
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS
WBS1128G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1478G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS1478G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS1478G03		Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile < 1% Crocidolite		40% Quartz 58% Other
WBS1519G01		Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile < 1% Crocidolite		40% Quartz 58% Other
WBS1519G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200480-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Maggie Lin
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 10 1997

Ref Number IN971578

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS932G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS463G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		70% Quartz 30% Other
WBS463G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		70% Quartz 30% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200488-0)

OFFICIAL
CHAIN OF CUSTODY RECORD

p191

PROJ NO 020601 RAG1		PROJECT NAME Westbank Asbestos				NO OF CON TAINERS	PLM (Asbestos)										REMARKS
SAMPLERS (Signature) Maggie Jim / D. DePalma / 11/7/97							EPA Tag #										
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION												
WBS1128 G01	11-5	1442	X		(b) (6)	1	X								6-165600		
WBS1479 G01	11-5	1545	X		(b) (6)	1	X								6-165556		
WBS1479 G02	11-5	1550	X		↓	1	X								6-165557		
WBS1479 G03	11-5	1555	X		↓	1	X								6-165558		
WBS1519 G01	11-6	0925	X		(b) (6)	1	X								6-165559		
WBS1519 G02	11-6	0930	X	X	↓	1	X								6-165560		
WBS1519 G01	11-6	1330	X		(b) (6)	1	X								6-165599		
WBS163 G01	↓	1435	X		(b) (6)	1	X								6-165561		
WBS163 G02	↓	1440	X		↓	1	X								6-165562		
Relinquished by (Signature) Maggie Jim			Date / Time 11-6-97 / 11/6/97		Received by (Signature) D. DePalma			Date / Time 11/7/97 9AM		Relinquished by (Signature)			Date / Time		Received by (Signature)		
Relinquished by (Signature)			Date / Time		Received by (Signature)			Date / Time		Relinquished by (Signature)			Date / Time		Received by (Signature)		
Relinquished by (Signature)			Date / Time		Received for Laboratory by (Signature)			Date / Time		Remarks							
Shipped by FedEx					Airbill Number 8008558286776												

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/7/97
Date/Time Due 11/10/97 9 00 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971578

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties			
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div> <div>1 Wavy 2 Straight 3 Specify</div> <div>1 Yes 2 No</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div>			
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers		
WBS 1128 G01		1	2	1- <1			1	40		154	155
		2					7	60		1 M	1 S
		1								2 B	1 E
WBS 1478 G01		1	2	1- <1			1	40		154	155 171 17
		2		6- <1			7	60		1 M	1 S 2 2
		1								2 B	1 E 1 1 1
G02		1	2	1- <1			1	40		154	155 171 17
		2		6- <1			7	60		1 M	1 S 2 2
		1								2 B	1 E 1 1 1
G03		1	2	1- 2			1	40		154	155 171 17
		2		6- <1			7	58		1 M	1 S 2 2
		1								2 B	1 E 1 1 1
WBS 1519 G01		1	2	1- 2			1	40		154	155 171 17
		2		6- <1			7	58		1 M	1 S 2 2
		1								2 B	1 E 1 1 1
G02		1	2	1- <1			1	40		154	155
		2					7	60		1 M	1 S
		1								2 B	1 E
WBS 932 G01		1	2	1- <1			1	70		154	155
		2					7	30		1 M	1 S
		1								2 B	1 E
WBS 463 G01		1	2	1- <1			1	70		154	155 171 17
		2		6- <1			7	30		1 M	1 S 2 2
		1								2 B	1 E 1 1 1

Analyst [Signature] Date 11/10/97 Computer _____ Date _____

PLM Analysis Worksheet

Client **Ecology & Environment**
Address **11550 New Castle Avenue**
Baton Rouge LA 70816

Logged **11/7/97**

TAT **1 Day**

Date/Time Due **11/10/97 9 00 AM**

Fax **(504) 363 4732**

Special Handling

Billing Number

IN971578

Project **WESTBANK ASBESTOS**

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix
					6 Crocidolite	6 Wollastonite	6 Perlite
					0 None Detected	7 Hair	7 Other

Optical Properties		
1 W v v	1 S	
2 Straight	2	
3 Specify		
P	B	E
1 Yes	1 Low	1 Parallel
2 No	2 Med	2 Systematic
	3 High	3 Oblique

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers	P	B	E
WBS +63602		1		1 - <1			1	70		154	155	1711
		2	2	6 - <1			7	30		1 M	1 S	2 2
		1								2 B	1 E	11
										I	II	
										M	S	
										P	B	E
										I	II	
										M	S	
										P	B	E
										I	II	
										M	S	
										P	B	E
										I	II	
										M	S	
										P	B	E
										I	II	
										M	S	
										P	B	E

Analyst

Date

11/10/97

Computer

Date

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Deena DePalma
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday November 11 1997

Ref Number IN971608

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1595G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1406G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1406G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other
WBS1406G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1545G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1545G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188.0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Deena DePalma
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday November 11 1997

Ref Number IN971608

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1545G03	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1254G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		70% Quartz 30% Other
WBS1394G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1179G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1546G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1363G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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OFFICIAL
CHAIN OF CUSTODY RECORDPP11-7
Pg. 7 of 22

PROJ NO		PROJECT NAME				NO OF CON TAINERS	REMARKS									
SAMPLERS (Signature)																
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION	1	EPA tag #									
WBS1545 G01	11-7-97	0840	X		(b) (6)	1	X								6-165598	
WBS1406 G01		1020	X			1	X								6-165569	
WBS1406 G02		1025	X			1	X								6-165570	
WBS1406 G03		1030	X			1	X								6-165571	
WBS1545 G01	11-7	1130	X		(b) (6)	1	X								6-165563	
WBS1545 G02		1135	X			1	X								6-165564	
WBS1545 G03		1140	X			1	X								6-165565	
WBS1254 G01	11-7	1416	X		(b) (6)	1	X								6-165566	
WBS1394 G01		1520	X			1	X								6-165597	
WBS1179 G01		1558	X			1	X								6-165567	
Deena DePalma																
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)						
Deena DePalma		11-7-97 1627		[Signature]		[Signature]		11/10/97 9AM								
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks								
FedEx				Airbill Number 800858286993												

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

[illegible]

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/10/97
Date/Time Due 11/11/97 9 00 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN971608

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties							
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div> <div>1 Wavy 2 Straight 3 Specify</div> <div>1 Yes 2 No</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div>							
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers						
WBS 1595 GU1		1	2	1- <1			1	40		154	155	171	170		
		2		6- <1			7	60		1	M	1	S	2	2
		1								2	1	1	E	1	1
WBS 1406 GU1		1	2	1- <1			1	40		154	155	171	170		
		2		6- <1			7	60		1	M	1	S	2	2
		1								2	1	1	E	1	1
↓ GU2		1	2	1- <1			1	40		154	155				
		2					7	60		1	M	1	S		
		1								2	1	1	E		
↓ GU3		1	2	1- <1			1	40		154	155	171	170		
		2		6- <1			7	60		1	M	1	S	2	2
		1								2	1	1	E	1	1
WBS 1545 GU1		1	2	1- <1			1	40		154	155	171	170		
		2		6- <1			7	60		1	M	1	S	2	2
		1								2	1	1	E	1	1
↓ GU2		1	2	1- <1			1	40		154	155	171	170		
		2		6- <1			7	60		1	M	1	S	2	2
		1								2	1	1	E	1	1
↓ GU3		1	2	1- <1			1	40		154	155				
		2					7	60		1	M	1	S		
		1								2	1	1	E		
WBS 1254 GU1		1	2	1- <1			1	70		154	155	171	170		
		2		6- <1			7	30		1	M	1	S	2	2
		1								2	1	1	E	1	1

Analyst [Signature] Date 11/11/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environment

Logged 11/10/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 11/11/97 9 00 AM

Fax (504) 363 4732

Special Handling

Billing Number

IN971608

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div> <div>1 W vy 2 Struggle 3 Specify</div> <div>1 Yes 2 No</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	
WBS 1394601		1 2 1	2	1- <1			1 7	40 60		154 155 1 M 1 S 2 1 1 E
WBS 1179601		1 2 1	2	1- <1			1 7	70 30		154 155 1 M 1 S 2 1 1 E
WBS 1546601		1 2 1	2	1- <1			1 7	70 30		154 155 1 M 1 S 2 1 1 E
WBS 1363601		1 2 1	2	1- <1			1 7	70 30		154 155 1 M 1 S 2 1 1 E
										I II M S P B E
										I II M S P B E
										I II M S P B E
										I II M S P B E

Analyst [Signature] Date 11/11/97 Computer _____ Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Deena DePalma
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

REC'D NOV 24 1997

Thursday November 13 1997

Ref Number IN971648

POLARIZED LIGHT MICROSCOPY (PLM)

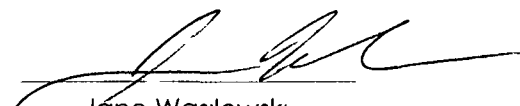
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1405G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		60% Quartz 40% Other
WBS1527G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		30% Quartz 70% Other
WBS1078G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS1341G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

OFFICIAL CHAIN OF CUSTODY RECORD

EPA 7500-53
(11/96)

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

6- 08958

PLM Analysis Worksheet

Client	Ecology & Environment
Address	11550 New Castle Avenue Baton Rouge LA 70816

Logged 11/12/97

TAT 1 Day

Date/Time Due 11/13/97 9 00 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971648

Project WESTBANK ASBESTOS

Appearance					Asbestos Results		Fibrous		Non Fibrous		Optical Properties					
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other				1 W vy 2 Straight 3 Specify			1 S 2 3		
						Fibrous		Non Fibrous		#		P B E 1 Low 1 Parallel 2 Med 2 S transverse 3 High 3 Oblique				
Sample	Location	Appearance	Treatment	% ASBESTOS	Type	%	Type	%	Layers							
WBS 1405 GOI		1	2	1- \angle 1			1	60	1 54 1 53H							
		2				7	40	1 M 1 S								
		1						2 P B 1 E								
WBS 1527 GOI		1	2	1- \angle 1			1	30	1 54 1 53H 1 70							
		2				7	70	1 M 1 S 2 =								
		1						2 P B 1 E 1 1								
WBS 1078 GOI		1	2	1- \angle 1			1	40	1 54 1 55T 1 71							
		2				7	60	1 M 1 S 2 =								
		1						2 P B 1 E 1 1								
WBS 1341 GOI		1	2	1- \angle 1			1	40	1 54 1 53 1 71							
		2				7	60	1 M 1 S 2 =								
		1						2 P B 1 E 1								
										I	II					
										M	S					
										P	B	E				
										I	II					
										M	S					
										P	B	E				
										I	II					
										M	S					
										P	B	E				

Analyst

Date _____

Computer

Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Deena DePalma
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday November 13 1997

Ref Number IN971649

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1577G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1577G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		75% Quartz 25% Other
WBS1536G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1525G01		Brown Non Fibrous Homogeneous	Crushed		None Detected		75% Quartz 25% Other
WBS1547G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		75% Quartz 25% Other
WBS1547G02		Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile < 1% Crocidolite		75% Quartz 23% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Jane Wasilewski
Analyst

Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Deena DePalma
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday November 13 1997

Ref Number IN971649

POLARIZED LIGHT MICROSCOPY (PLM)

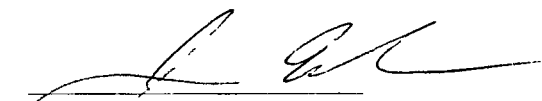
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>		
				%	TYPE	%	FIBROUS	% NONFIBROUS
WBS1128G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile			70% Quartz 30% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200498-0)

PROJ NO 020601 RAG1		PROJECT NAME Westbank Asbestos		NO OF CON TAINERS		REMARKS PLM (Asbestos)										
SAMPLERS (Signature) Alma Rullera / Deena DePalma																
STA NO	DATE 1997	TIME	COMP	GRAB	STATION LOCATION	EPA Tag #										
WBS1577 G01	11-11	0837	X		(b) (6)	1	X									6 165578
WBS1577 G02	11-11	0843	X		(b) (6)	1	X									6-165579
WBS1536 G01	11-11	0924	X		(b) (6)	1	X									6-165580
WBS1525 G01	11-11	1408	X		(b) (6)	1	X									6 165581
WBS1547 G01	11-11	1450	X		(b) (6)	1	X									6-165582
WBS1547 G02	11-11	1458	X		(b) (6)	1	X									6 165583
WBS1128 G02	11-11	1545	X		(b) (6)	1	X									6-165585
Deena DePalma																
Relinquished by (Signature) Deena DePalma		Date / Time 11-11-97 1623		Received by (Signature) [Signature]		Relinquished by (Signature)		Date / Time		Received by (Signature)						
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)						
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks								
Shipped by FED-EX				Airbill Number 800858286787 100.7				Date 11-11-97								

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

PLM Analysis Worksheet

Client Ecology & Environment

Logged 11/12/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 11/13/97 9 00 AM

Fax (504) 363 4732

Special Handling

Billing Number

IN971649

Project WESTBANK ASBESTOS

Appearance			Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties			
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div> <div>1 Wavy 2 Straight 3 Specify</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 Symmetric 3 Oblique</div> </div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	Optical Properties
WBS 1577601		1		1- \angle 1			1	40		154 155
		2	2				7	60		1 M 1 S
		1								P 2 B 1 E
✓ 602		1		1- \angle 1			1	75		154 155
		2	2				7	25		1 M 1 S
		1								P 2 B 1 E
WBS 1536601		1		1- \angle 1			1	70		154 155
		2	2				7	30		1 M 1 S
		1								P 2 B 1 E
WBS 1525601		1		ND			1	75		154 155
		2	2				7	25		1 M 1 S
		1								P 2 B 1 E
WBS 1547601		1		1- \angle 1			1	75		154 155 17117
		2	2	6- \angle 1			7	25		1 M 1 S 22
		1								P 2 B 1 E 111
WBS ↓ 602		1		1-2			1	75		154 155 17117
		2	2	6- \angle 1			7	25		1 M 1 S 22
		1								P 2 B 1 E 111
WBS 1178602		1		1- \angle 1			1	70		154 155
		2	2				7	30		1 M 1 S
		1								P 2 B 1 E
										1 11
										M S
										P B E

Analyst [Signature] Date 11/13/97 Computer _____ Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Deena DePalma
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 17 1997

Ref Number IN971665

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1192G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1192G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		70% Quartz 30% Other
WBS1192G03		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		70% Quartz 30% Other
WBS1192G04		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1192G05		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1192G06		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

Jane Wasilewski
Analyst

Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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Monday November 17 1997

Ref Number IN971665

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1192G07	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1192G08	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1596G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2% < 1%	Chrysotile Crocidolite		70% Quartz 28% Other
WBS1596G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	4% 1%	Chrysotile Crocidolite		70% Quartz 25% Other
WBS1596G03	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	4% 1%	Chrysotile Crocidolite		70% Quartz 25% Other
WBS1596G04	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	4% 1%	Chrysotile Crocidolite		70% Quartz 25% Other

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Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198.1 Method

Jane Wasilewski
Analyst

Approved
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Monday November 17 1997

Ref Number IN971665

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS
WBS1596G05	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite		70% Quartz 28% Other	
WBS1596G06		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite		70% Quartz 30% Other	
WBS1596G07		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite		70% Quartz 30% Other	

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

Jane Wasilewski
Analyst

Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/14/97
Date/Time Due 11/17/97 9 30 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN971665

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous		Non Fibrous		Optical Properties	
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	<div> <div>W M</div> <div>1 Low</div> <div>2 Spec</div> <div>3 High</div> </div>		<div> <div>P B</div> <div>1 Low</div> <div>2 Med</div> <div>3 High</div> </div>	
2 Grey	7 Black	2 Non Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica				
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum				
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate				
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix				
					6 Crocidolite	6 Wollastonite	6 Perlite				
					0 None Detected	7 Hair	7 Other				
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers		
WBS1192G01		1	2	1- < 1			1	70		154	153
		2					7	30		1 M	1 S
		1								2 P	1 E
G02		1	2	1- < 1			1	70		154	153 171
		2					7	30		1 M	1 S 2
		1								2 P	1 E 1
G03		1	2	1- < 1			1	70		154	153 171
		2					7	30		1 M	1 S 2
		1								2 P	1 E 1
G04		1	2	1- < 1			1	70		154	153
		2					7	30		1 M	1 S
		1								2 P	1 E
G05		1	2	1- < 1			1	70		154	153
		2					7	30		1 M	1 S
		1								2 P	1 E
G06		1	2	1- < 1			1	70		154	153
		2					7	30		1 M	1 S
		1								2 P	1 E
G07		1	2	1- < 1			1	70		154	153
		2					7	30		1 M	1 S
		1								2 P	1 E
G08		1	2	1- < 1			1	70		154	153
		2					7	30		1 M	1 S
		1								2 P	1 E

Analyst

Date

4/17/97

Computer

Date

PLM Analysis Worksheet

Client Ecology & Environment

Logged 11/14/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 11/17/97 9 30 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971665

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div>Optical Properties</div> <div>1 W 2 S 3 Spec</div> <div>1 2 3</div> <div>1 2 3</div> <div>1 2 3</div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	Optical Properties
WBS1576	G01	1		1-2			1	70		154 155 1711
		2	2	6-41			7	28		1 M 1 S 2 2
		1								2 B 1 E 1 1
	G02	1		1-4			1	70		154 155 1711
		2	2	6-1			7	25		1 M 1 S 2 2
		1								2 B 1 E 1 1
	G03	1		1-4			1	70		154 155 1711
		2	2	6-1			7	25		1 M 1 S 2 2
		1								2 B 1 E 1 1
	G04	1		1-4			1	70		154 155 1711
		2	2	6-1			7	25		1 M 1 S 2 2
		1								2 B 1 E 1 1
	G05	1		1-2				70		154 155 1711
		2	2	6-41			7	28		1 M 1 S 2 2
		1								2 B 1 E 1 1
	G06	1		1-41			1	70		154 155
		2	2	6-41			7	30		1 M 1 S
		1								2 B 1 E
✓	G07	1		1-41			1	70		154 155
		2	2	6-41			7	30		1 M 1 S
		1								2 B 1 E

Analyst [Signature] Date 11/17/97 Computer _____ Date _____

**OFFICIAL
CHAIN OF CUSTODY RECORD**

PROJ NO 020601 RAG1		PROJECT NAME Westbank Asbestos				NO OF CON TAINERS	PLM (Asbestos)										REMARKS
SAMPLERS (Signature) <i>Alma Riquera / Deena DePalma</i>																	
STA NO	DATE 1997	TIME	COMP	GRAB	STATION LOCATION		EPA Tag #										
WBS1192 G02	11-13	1430	X		(b) (6)	1	X									6-165586	
WBS1192 G02	11-13	1437	X			1	X									6-165587	
WBS1192 G03	11-13	1442	X			1	X									6-165588	
WBS1192 G04	11-13	1448	X			1	X									6-165589	
WBS1192 G05	11-13	1434	X			1	X									6-165590	
WBS1192 G06	11-13	1439	X			1	X									6-165591	
WBS1192 G07	11-13	1443	X			1	X									6-165592	
WBS1192 G08	11-13	1445	X			1	X									6-165593	
WBS1596 G01	11-13	1611	X		(b) (6)	1	X									6-165594	
WBS1596 G02	11-13	1614	X			1	X									6-165595	
WBS1596 G03	11-13	1618	X			1	X									6-165596	
WBS1596 G04	11-13	1619	X			1	X									6-165211	
WBS1596 G05	11-13	1623	X			1	X									6-165212	
WBS1596 G06	11-13	1625	X			1	X									6-165213	
WBS1596 G07	11-13	1629	X			1	X									6-165214	
Relinquished by (Signature)			Date / Time		Received by (Signature)			Relinquished by (Signature)			Date / Time		Received by (Signature)				
Relinquished by (Signature)			Date / Time		Received by (Signature)			Relinquished by (Signature)			Date / Time		Received by (Signature)				
<i>Deena DePalma</i>			11-13 97 1655		<i>[Signature]</i> 11/14/97 9:30 AM												
Relinquished by (Signature)			Date / Time		Received for Laboratory by (Signature)			Date / Time		Remarks							
Shipped by FED - EX					Airbill Number 800858286787												

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday November 18 1997

Ref Number IN971680

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1531G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other
WBS392G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS392G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS392G03		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS392G04		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS1600G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also *# of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Jane Wasilewski
Analyst

Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200488-0)

EMSL Analytical, Inc.

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Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday November 18 1997

Ref Number IN971680

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1600G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		40% Quartz 60% Other
WBS1600G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1600G04		Brown Non Fibrous Homogeneous	Crushed		None Detected		40% Quartz 60% Other
WBS1600G05		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile			40% Quartz 58% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

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Jane Wasilewski
Analyst

Approved
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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200490-0)

OFFICIAL

PROJ NO 020601 RAG1		PROJECT NAME Westbank Asbestos		NO OF CON TAINERS		<div>PLM (Asbestos)</div>										REMARKS	
SAMPLERS (Signature) Alma Rullera / D DePalma																	
STA NO	DATE 1997	TIME	COMP	GRAB	STATION LOCATION												EPA Tag #
WBS1531 G01	11-14	1110	X		(b) (6)	1	X										6-165215
WBS392 G01	11-14	1457	X			1	X										6-165216
WBS392 G02	11-14	1459	X			1	X										6-165217
WBS392 G03	11-14	1502	X			1	X										6-165218
WBS392 G04	11-14	1507	X			1	X										6-165219
WBS392 G01	11-14	1544	X		(b) (6)	1	X										6-165220
WBS1600 G02	11-14	1549	X			1	X										6-165221
WBS1600 G03	11-14	1553	X			1	X										6-165222
WBS1600 G04	11-14	1556	X			1	X										6-165223
WBS1600 G05	11-14	1601	X			1	X										6-165224
Alma Rullera																	
Relinquished by (Signature) Alma Rullera		Date / Time 11-14-97 1633		Received by (Signature) [Signature]		Relinquished by (Signature) [Signature]		Date / Time 11/14/97 9 35 AM				Received by (Signature)					
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time				Received by (Signature)					
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks									
Shipped by FED - EX				Airbill Number 800858286482													
Distribution White Accompanies Shipment Pink to Coordinator Field Files																	

PLM Analysis Worksheet

Client Ecology & Environment

Logged 11/17/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 11/18/97 9 35 AM

Special Handling

Billing Number

Fax (504) 363 4732

IN971680

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrx 6 Perlite 7 Other	<div> <div>1 W v 2 Straight 3 Specify</div> <div>1 Low 2 Med 3 High</div> <div>1 Parallel 2 S. symmetric 3 Oblique</div> </div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	Optical Properties
WBS 1531 G01		1 2	2	1- <1			1	80		154 ¹ 155 [#] 1 M 1 S
		1					7	20		2 ^P 1 ^B 1 ^E
WBS 392 G01		1 2	2	1- <1 6- <1			1	40		154 ¹ 155 [#] 171 17 1 ^M 1 ^S 2 2
		1					7	60		2 ^P 1 ^B 1 ^E 1 1
	502	1 2	2	1- <1 6- <1			1	40		154 ¹ 155 [#] 171 17 1 ^M 1 ^S 2 2
		1					7	60		2 ^P 1 ^B 1 ^E 1 1
	G03	1 2	2	1- <1 6- <1			1	40		154 ¹ 155 [#] 171 17 1 ^M 1 ^S 2 2
		1					7	60		2 ^P 1 ^B 1 ^E 1 1
	G04	1 2	2	1- <1 6- <1			1	40		154 ¹ 155 [#] 171 17 1 ^M 1 ^S 2 2
		1					7	60		2 ^P 1 ^B 1 ^E 1 1
WBS 1600 G01		1 2	2	1- <1			1	40		154 ¹ 155 [#] 1 ^M 1 ^S
		1					7	60		2 ^P 1 ^B 1 ^E
	G02	1 2	2	ND			1	40		1 ^M 1 ^S
		1					7	60		2 ^P 1 ^B 1 ^E
	G03	1 2	2	1- <1 6- <1			1	40		154 ¹ 155 [#] 171 17 1 ^M 1 ^S 2 2
		1					7	60		2 ^P 1 ^B 1 ^E 1 1

Analyst JM Date 11/18/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/17/97
Date/Time Due 11/18/97 9 35 AM

TAT 1 Day

Fax (504) 363 - 4732

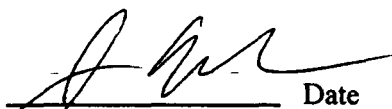
Special Handling

Billing Number

IN971680

Project WESTBANK ASBESTOS

Appearance			Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties			
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	1 W 2 S 3 Spec	1 S 2 3	
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	Optical Properties
WBS 1600 G-04		1		ND			1	40		I II
		2	2				7	60		M S
		1								P B E
↓ G-05		1		1-2			1	40		154 155
		2	2				7	58		1 M 1 S
		1								2 B 1 E
										I II
										M S
										P B E
										I II
										M S
										P B E
										I II
										M S
										P B E
										I II
										M S
										P B E

Analyst  Date 11/18/97 Computer _____ Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday November 19 1997

Ref Number IN971696

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS1247G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1247G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1537G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1587G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1580G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other
WBS1580G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method

Jane Wasilewski
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Accredited Bulk #200188-0).

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday November 19 1997

Ref Number IN971696

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS1580G03	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1580G04		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Jane Wasilewski
Analyst

Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/18/97
Date/Time Due 11/19/97 9 00 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971696

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown	6 Vanous	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	1 W vy 2 Straggle 3 Spaciv	1 S 2	1 Parallel 2 Symmetric 3 Oblique
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica			
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum			
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate			
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix			
					6 Crocidolite	6 Wollastonite	6 Perlite			
					0 None Detected	7 Hair	7 Other			
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers	
WBS1247G01		1		1 - <1			1	40	154	153 17117
		2	2	6 - <1			7	60	1 M	1 S 2 2
		1							2 B	1 E 1 1 1
↓ G02		1		1 - <1			1	40	154	153 17117
		2	2	6 - <1			7	60	1 M	1 S 2 2
		1							2 B	1 E 1 1 1
WBS1537G01		1		1 - <1			1	40	154	153 17117
		2	2	6 - <1			7	60	1 M	1 S 2 2
		1							2 B	1 E 1 1 1
WBS1587G01		1		1 - <1			1	40	154	153 17117
		2	2	6 - <1			7	60	1 M	1 S 2 2
		1							2 B	1 E 1 1 1
WBS1580G01		1		1 - <1			1	40	154	153 17117
		2	2				7	60	1 M	1 S 2 2
		1							2 B	1 E 1 1 1
↓ 1580G02		1		1 - <1			1	40	154	153 17117
		2	2				7	60	1 M	1 S 2 2
		1							2 B	1 E 1 1 1
↓ 1580G03		1		1 - <1			1	40	154	153 17117
		2	2	6 - <1			7	60	1 M	1 S 2 2
		1							2 B	1 E 1 1 1
↓ 1580G04		1		1 - <1			1	40	154	153 17117
		2	2	6 - <1			7	60	1 M	1 S 2 2
		1							2 B	1 E 1 1 1

Analyst

Date

11/19/97

Computer

Date

PROJ NO		PROJECT NAME		NO OF CON TAINERS		<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 2px;">PLM (Asbestos)</div> <div style="flex-grow: 1; border: 1px solid black; position: relative;"> <div style="position: absolute; top: 0; right: 0; font-size: 2em; color: gray;">/</div> </div> </div>										REMARKS	
SAMPLERS (Signature)																	
STA NO	DATE 1997	TIME	COMP														
WBS1247 G01	11-17	1532	X		(b) (6)	1	X									6-165225	
WBS1247 G02	11-17	1537	X		(b) (6)	1	X									6-165226	
WBS1247 G03	11-17	1540	X		(b) (6)	1	X									6-165227	
WBS1587 G01	11-17	1605	X		(b) (6)	1	X									6-165232	
WBS1580 G01	11-17	1615	X		(b) (6)	1	X									6-165228	
WBS1580 G02	11-17	1621	X		(b) (6)	1	X									6-165229	
WBS1580 G03	11-17	1628	X		(b) (6)	1	X									6-165230	
WBS1580 G04	11-17	1629	X		(b) (6)	1	X									6-165231	
<div style="font-size: 2em; color: gray;">/</div>																	
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)							
				<div style="font-size: 1.5em; color: gray;">/</div>													
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)							
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks									
Shipped by FED - EX				Airbill Number 800858286971													

14
 Distribution White Accompanies Shipment Pink to Coordinator Field Files

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Friday November 21 1997

Ref Number IN971717

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1576G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			80% Quartz 20% Other
WBS1576G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			80% Quartz 20% Other
WBS180PHII G 01		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile 1% Crocidolite			77% Quartz 20% Other
WBS1453/1584 G01		Brown Non Fibrous Homogeneous	Crushed	None Detected			80% Quartz 20% Other
WBS1453/1584 G02		Brown Non Fibrous Homogeneous	Crushed	1% Chrysotile 1% Crocidolite			78% Quartz 20% Other
WBS1453/1584 G03		Brown Non Fibrous Homogeneous	Crushed	None Detected			80% Quartz 20% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Margaret Phillips
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Friday November 21 1997

Ref Number IN971717

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*


Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS
WBS1453/1584 G04	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite		80% Quartz 20% Other	
WBS1250G01		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite		78% Quartz 20% Other	
WBS1250G02		Brown Non Fibrous Homogeneous	Crushed	1% Chrysotile 1% Crocidolite		78% Quartz 20% Other	
WBS1250G03		Brown Non Fibrous Homogeneous	Crushed	1% Chrysotile 1% Crocidolite		78% Quartz 20% Other	
WBS1250G04		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite		80% Quartz 20% Other	

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/20/97
Date/Time Due 11/21/97 9 30 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971717

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results		Fibrous		Non Fibrous		Optical Properties			
1 Brown	6 Vanous	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz							
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica							
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum							
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate							
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix							
					6 Crocidolite	6 Wollastonite	6 Perlite							
					0 None Detected	7 Hair	7 Other							

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers	Optical Properties			
WBS 1576G01		1		1- <1%			1 80			1.54	1.55 ^{LL}	1.71	1.70
		2	2	6- <1%			7 20			1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1
1576G02		1		1- <1%			1 80			1.54	1.55 ^{LL}	1.71	1.70
		2	2	6- <1%			7 20			1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1
180 Ph II G01		1		1- 2%			1 77			1.54	1.55 ^{LL}	1.71	1.70
		2	2	6- 1%			7 20			1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1
1453/1584 G01		1		NO			1 80						
		2					7 20						
		1	2										
1453/1584 G02		1		1- 1%			1 78			1.54	1.55 ^{LL}	1.71	1.70
		2	2	6- 1%			7 20			1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1
1453/1584 G03		1		NO			1 80						
		2					7 20						
		1	2										
1453/1584 G04		1		1- <1%			1 80			1.54	1.55 ^{LL}	1.71	1.70
		2	2	6- <1%			7 20			1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1
1250 G01		1		1- 2%			1 78			1.54	1.55 ^{LL}	1.71	1.70
		2	2	6- <1%			7 20			1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1

Analyst Marquet 3. Phillips Date 11/21/97 Computer _____ Date _____

PLM Analysis Worksheet

Client **Ecology & Environment**
Address **11550 New Castle Avenue**
Baton Rouge LA 70816

Logged **11/20/97**
Date/Time Due **11/21/97 9 30 AM**

TAT **1 Day**

2

Fax **(504) 363 4732**

Special Handling

Billing Number

IN971717

Project **WESTBANK ASBESTOS**

Appearance			Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz		
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica		
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum		
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate		
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix		
					6 Crocidolite	6 Wollastonite	6 Perlite		
					0 None Detected	7 Hair	7 Other		

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	P	B	E
WBS 1250602		1		1-1%			1	78		1.54	1.55	1.71
		2	2	6-1%			7	20		1 ^M	1 ^S	2 ²
		1								2 ^P	1 ^B	1 ^E
1250603		1		1-1%			1	78		1.54	1.55	1.71
		2	2	6-1%			7	20		1 ^M	1 ^S	2 ²
		1								2 ^P	1 ^B	1 ^E
1250604		1		1 < 1%			1	80		1.54	1.55	1.71
		2	2	6- < 1%			7	20		1 ^M	1 ^S	2 ²
		1								2 ^P	1 ^B	1 ^E

Analyst Margaret S. Phillips Date 11/21/97 Computer _____ Date _____

OFFICIAL CHAIN OF CUSTODY RECORD

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

6- 08962

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 24 1997

REC'D DEC 1 1997

Ref Number IN971719

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1250G05	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		80% Quartz 20% Other
WBS1250G06		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		80% Quartz 20% Other
WBS1592G01		Brown Non Fibrous Homogeneous	Crushed	3%	Chrysotile 1% Crocidolite		76% Quartz 20% Other
WBS1592G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		80% Quartz 20% Other
WBS1592G03		Brown Non Fibrous Homogeneous	Crushed		None Detected		30% Quartz 70% Other
WBS1598G01		Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile < 1% Crocidolite		30% Quartz 68% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips
Analyst

Approved
Signatory

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EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 24 1997

Ref Number IN971719

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1598G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1598G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1598G04		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other
WBS1598G05		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1598G06		Brown Non Fibrous Homogeneous	Crushed	< 1% Crocidolite			40% Quartz 60% Other
WBS1598G07		Brown Non Fibrous Homogeneous	Crushed	None Detected			40% Quartz 60% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips
Analyst

Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200408-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday November 24 1997

Ref Number IN971719

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS1603G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		40% Quartz 60% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips
Analyst

Approved
Signatory

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OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ NO 020601 RAG1		PROJECT NAME Westbank Asbestos			NO OF CON TAINERS	PLM (Asbestos)										REMARKS
SAMPLERS (Signature) Alma Riller / Christopher Conane																
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION	LPA Tag #										
WBS1250 G05	11-20	1005	X		(b) (6)	1	X								6 165252	
WBS1250 G06	11-20	1009	X			1	X								6 165253	
WBS1250 G01		1045	X			1	X								6 165254	
WBS1542 G02		1050	X		↓	1	X								6-165255	
WBS1542 G03		1055	X		↓	1	X								6-165256	
WBS1598 G01		1400			(b) (6)	1	X								6 165257	
WBS1598 G02		1359				1	X								6-165258	
WBS1598 G03		1352				1	X								6 165259	
WBS1598 G04		1345				1	X								6 165260	
WBS1598 G05		1350				1	X								6-165261	
WBS1598 G06		1355				1	X								6 165262	
WBS1598 G07		1400				1	X								6 165263	
WBS1603 G01	11-20	1645			(b) (6)	1	X								6-165264	
					Alma Riller											
Relinquished by (Signature) Alma Riller		Date / Time 11 20 97 1652		Received by (Signature) D. Stang		Date / Time 11/21/97 9:40 AM		Relinquished by (Signature)		Date / Time		Received by (Signature)				
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)						
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks								
Shipped by FED EX				Airbill Number 800858286960												

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/21/97
Date/Time Due 11/24/97 9 40 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971719

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties					
1 Brown	6 Varous	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	<div style="display: flex; justify-content: space-between;"> <div> 1 W v 2 Straight 3 Specify </div> <div> 1 S 2 3 </div> <div> 1 Y 2 Low 3 High </div> <div> 1 Parallel 2 Symmetric 3 Oblique </div> </div>					
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica						
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum						
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate						
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix						
					6 Crocidolite	6 Wollastonite	6 Perlite						
					0 None Detected	7 Hair	7 Other						
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers				
WBS 1250605		1		1- <1%			1	80		1.54	1.55	171	17
		2	2	6- <1%			7	20		1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1111
1250606		1		1- <1%			1	80		1.54	1.55	171	1
		2	2	6- <1%			7	20		1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1111
1592601		1		1- 3%			1	76		1.54	1.55	171	1
		2	2	6- 1%			7	20		1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1111
1592602		1		1- <1%			1	80		1.54	1.55	171	11
		2	2	6- <1%			7	20		1 ^M	1 ^S	2	2
		1								2 ^P	1 ^B	1 ^E	1111
										I	II		
										M	S		
										P	B	E	
										I	II		
										M	S		
										P	B	E	
										I	II		
										M	S		
										P	B	E	

Analyst Margaret S. Phillips Date 11/24/97 Computer Deb Stitt Date 11/24/97

PLM Analysis Worksheet

Client Ecology & Environment

Logged 11/21/97

TAT 1 Day

Address 11550 New Castle Avenue
Baton Rouge LA 70816

Date/Time Due 11/24/97 9 40 AM

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971719

Project WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Homogeneous 2 Heterogeneous 3 Other 4 Layers (#)	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div> <div>1 W 2 M 3 S</div> <div>1 W 2 M 3 S</div> <div>1 W 2 M 3 S</div> </div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	P B E
WBS 1592	G03	1	2	ND			1	30		I II
		2					7	70		M S
		1								P B E
WBS 1598	G01	1	2	1-2			1	30		154 155 171
		2		6-<1			7	68		1 M 1 S 2 =
		1								2 B 1 E 1
		1		1-<1			1	40		154 155 171
	G02	2	2	6-<1			7	60		1 M 1 S 2 -
		1								2 B 1 E 1
		1		1-<1			1	40		154 155
	G03	2	2	6-<1			7	60		1 M 1 S
		1								2 B 1 E
		1		1-<1			1	40		154 155
	G04	2	2				7	60		1 M 1 S
		1								2 B 1 E
		1		1-<1			1	40		154 155 171
	G05	2	2	6-<1			7	60		1 M 1 S 2 =
		1								2 B 1 E 1
		1		6-<1			1	40		171 170
	G06	2	2				7	60		2 M 2 S
		1								1 B 1 E
		1		ND			1	40		I II
	G07	2	2				7	60		M S
		1								P B E

Analyst [Signature] Date 11/24/97 Computer Del Still Date 11/24/97

PLM Analysis Worksheet

TAT 1 Day

Date/Time Due **11/24/97** **9 40 AM**

Special Handling

Billing Number

IN971719

Project WESTBANK ASBESTOS

Appearance			Treatment	Asbestos Results	Fibrous	Non-Fibrous	Optical Properties		
1 Brown 2 Grey 3 Tan 4 White 5 Red	6 Various 7 Black 8 Silver 9 Blue 0 Orange	1 Fibrous 2 Non-Fibrous 3 Other	1 Teased 2 Crushed 3 Dissolved 4 Ashed	1 Chrysotile 2 Amosite 3 Anthophyllite 4 Tremolite 5 Actinolite 6 Crocidolite 0 None Detected	1 Cellulose 2 Glass 3 Min. Wool 4 Synthetic 5 Other 6 Wollastonite 7 Hair	1 Quartz 2 Mica 3 Gypsum 4 Cal Carbonate 5 Matrix 6 Perlite 7 Other	<div><div>M</div><div>S</div></div> <div><div>1 W wry 2 Straight 3 Squinty</div><div>1 2</div></div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type %	Non Fibrous Type %	# Layers	<div><div>P</div><div>B</div><div>E</div></div> <div><div>1 Yes 2 No</div><div>1 Lum 2 Med 3 High</div><div>1 Parallel 2 Symmetric 3 Oblique</div></div>	
WBS 1603 G-01		1	2	1 - < 1		1 40		154 155 1711	
		2		6 - < 1		7 60		1 M 1 S 2 2	
		1					2 B 1 E 1 1 1		
								I II	
								M S	
								P B E	
								I II	
								M S	
								P B E	
								I II	
								M S	
								P B E	
								I II	
								M S	
								P B E	
								I II	
								M S	
								P B E	
								I II	
								M S	
								P B E	

Analyst J. L. Date 11/24/97 Computer Deb Stett Date 11/24/97

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

REC'D DEC 1 1997

Tuesday November 25 1997

Ref Number IN971728

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS1213G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		80% Quartz 20% Other
WBS1213G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			80% Quartz 20% Other
WBS1213G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			80% Quartz 20% Other
WBS1213G04		Brown Non Fibrous Homogeneous	Crushed		None Detected		80% Quartz 20% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips

Margaret Phillips
Analyst

Robert L. Harding
Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

**OFFICIAL
CHAIN OF CUSTODY RECORD**

PROJ NO 020602 RAG1		PROJECT NAME Westbank Asbestos				NO OF CON TAINERS	<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">PLM (Asbestos)</div>										REMARKS														
SAMPLERS (Signature) <div style="display: flex; justify-content: space-between;"> <div>AR 11-21-97 <i>Alma Rullera</i></div> <div><i>[Signature]</i></div> </div>																															
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION																										
WBS1213 G01	11-21	0930	X		(b) (6)	1	X								EPA Tag # 6-165240																
WBS1213 G02	11-21	0932	X			1	X								6-165241																
WBS1213 G03	11-21	0934	X			1	X								6-165242																
WBS1213 G04	11-21	0936	X			1	X								6-165243																
WBS1213 G05	11-21	1125	X		(b) (6)	1	X								6-165265 AR 11-21-97																
WBS1213 G06	11-21	1145	X			1	X								6-165266 AR 11-21-97																
<div style="font-size: 2em; transform: rotate(-15deg);"><i>Alma Rullera</i></div>																															
Relinquished by (Signature) <i>Alma Rullera</i>			Date / Time 11-21-97 1632		Received by (Signature)			Relinquished by (Signature)			Date / Time		Received by (Signature)																		
Relinquished by (Signature)			Date / Time		Received by (Signature)			Relinquished by (Signature)			Date / Time		Received by (Signature)																		
Relinquished by (Signature)			Date / Time		Received for Laboratory by (Signature) <i>D. H. Stitt</i>			Date / Time 11/24/97 1:06 PM		Remarks																					
Shipped by FED - EX					Airbill Number 800 858 286 950																										

Distribution White Accompanies Shipment Pink to Coordinator Field Files
Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday November 26 1997

Ref Number IN971740

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1369G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile		40% Quartz 58% Other
WBS1369G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS1369G03		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other
WBS1532G01		Brown Non Fibrous Homogeneous	Crushed		None Detected		70% Quartz 30% Other
WBS1532G02		Brown Non Fibrous Homogeneous	Crushed		None Detected		70% Quartz 30% Other
WBS1532G03		Brown Non Fibrous Homogeneous	Crushed		None Detected		70% Quartz 30% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also, # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method

Jane Wasilewski
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
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Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday November 26 1997

Ref Number IN971740

POLARIZED LIGHT MICROSCOPY (PLM)

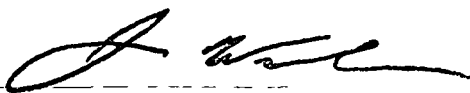
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

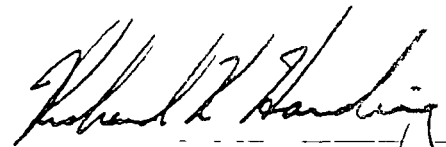
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1532G04	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		70% Quartz 30% Other
WBS1317 G01		Brown Non Fibrous Homogeneous	Crushed		< 1% Chrysotile		40% Quartz 60% Other
WBS1447G01		Brown Non Fibrous Homogeneous	Crushed		None Detected		40% Quartz 60% Other
WBS1447G02		Brown Non Fibrous Homogeneous	Crushed		< 1% Chrysotile		40% Quartz 60% Other
WBS1447G02		Brown Non Fibrous Homogeneous	Crushed		< 1% Chrysotile		40% Quartz 60% Other
WBS1447G04		Brown Non Fibrous Homogeneous	Crushed		< 1% Chrysotile		40% Quartz 60% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method



Jane Wasilewski
Analyst



Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200408-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday November 26 1997

Ref Number IN971740

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS

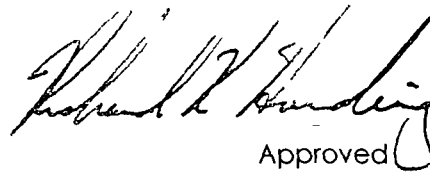
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS707G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		75% Quartz 25% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method



Jane Wasilewski
Analyst



Approved
Signatory

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OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ NO 020601 RAG1		PROJECT NAME Westbank Asbestos				NO OF CON TAINERS	PLM (Asbestos)						REMARKS EPA Tag #
SAMPLERS (Signature) Alma Rillera / [Signature]													
STA NO	DATE 1997	TIME	COMP	GRAB	STATION LOCATION								
WBS1369 G01	11-24	1020	X		(b) (6)	1	X					6-165265	
WBS1369 G02		1030	X		↓	1	X					6-165266	
WBS1369 G03		1040	X		↓	1	X					6-165267	
WBS1532 G01		1335	X		(b) (6)	1	X					6-165244	
WBS1532 G02		1404	X		↓	1	X					6-165245	
WBS1532 G03		1347	X		↓	1	X					6-165246	
WBS1532 G04		1350	X		↓	1	X					6-165247	
WBS1517 G01		1435	X		(b) (6)	1	X					6-165248	
WBS1447 G01		1500	X		↓	1	X					6-165269	
WBS1447 G02		1504	X		↓	1	X					6-165270	
WBS1447 G03		1508	X		↓	1	X					6-165271	
WBS1447 G04		1512	X		↓	1	X					6-165272	
WBS707 G01		1557	X		(b) (6)	1	X					6-165273	
						Alma Rillera							
Relinquished by (Signature) A Rillera		Date / Time 11-24 97 1618		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)			
Relinquished by (Signature) [Signature]		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)			
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature) Deb Stott		Date / Time 11/25/97 9 30		Remarks					
Shipped by FED-EX				Airbill Number 800858286802									

Distribution White Accompanies Shipment Pink to Coordinator Field Files
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EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday December 01 1997

Ref Number IN971756

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS PROJ# 020601RAG1

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS
WBS1570G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other
WBS1524G01		Brown Non Fibrous Homogeneous	Crushed	1%	Chrysotile 1% Crocidolite		78% Quartz 20% Other
WBS1524G02		Brown Non Fibrous Heterogeneous	Crushed		None Detected		80% Quartz 20% Other
WBS1524G03		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		80% Quartz 20% Other
WBS1524G04		Brown Non Fibrous Homogeneous	Crushed		None Detected		80% Quartz 20% Other
WBS1594G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method

Margaret Phillips
Analyst

Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Monday December 01 1997

Ref Number IN971756

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS PROJ# 020601RAG1

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1447G05	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other
WBS1447G06		Brown Non Fibrous Homogeneous	Crushed		None Detected		80% Quartz 20% Other
WBS1532G05		Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile		78% Quartz 20% Other
WBS1532G06		Brown Non Fibrous Homogeneous	Crushed	2% < 1%	Chrysotile Crocidolite		78% Quartz 20% Other
WBS1532G07		Brown Non Fibrous Homogeneous	Crushed		None Detected		80% Quartz 20% Other
WBS1532G08		Brown Non Fibrous Homogeneous	Crushed	2% < 1%	Chrysotile Crocidolite		78% Quartz 20% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method

Margaret Phillips

Margaret Phillips
Analyst

Richard L. Hardy

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0).

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/26/97
Date/Time Due 12/1/97 9 00 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN971756

Project WESTBANK ASBESTOS PROJ# 020601RAG1

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties			
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	1 W vy	1 Low	1 Partial	1
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica	2 N	2 High	2 Symmetric	2
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum	3 Specify		3 Oblique	3
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate				
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix				
					6 Crocidolite	6 Wollastonite	6 Perlite				
					0 None Detected	7 Hair	7 Other				
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers	Optical Properties	
WBS 1570601		1		1- < 1%			1 80		1.54	1.55	
		2					7 20		1	1	
		1	2						2	1	E
1524601		1		1- 1%			1 78		1.54	1.55	1.71
		2		6- 1%			7 20		1	1	2
		1	2						2	1	1
1524602		1		NO			1 80				
		2					7 20				
		1	2						P	B	E
1524603		1		1- < 1%			1 80		1.54	1.55	1.71
		2		6- < 1%			7 20		1	1	2
		1	2						2	1	1
1524604		1		NO			1 80				
		2					7 20				
		1	2						P	B	E
1544601		1		1- < 1%			1 80		1.54	1.55	
		2					7 20		1	1	
		1	2						2	1	E
1447605		1		1- < 1%			1 80		1.54	1.55	
		2					7 20		1	1	
		1	2						2	1	E
1447606		1		NO			1 80				
		2					7 20				
		1	2						P	B	E

Analyst Margaret Phillips Date 12/1/97 Computer _____ Date _____

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 11/26/97
Date/Time Due 12/1/97 9 00 AM

TAT 1 Day

2

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971756

Project WESTBANK ASBESTOS PROJ# 020601RAG1

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties														
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	<table border="1"> <tr> <td>1 W</td> <td>M</td> <td>1 S</td> </tr> <tr> <td>2 Y</td> <td>2</td> <td>2</td> </tr> <tr> <td>3 Straggle</td> <td>3</td> <td>3</td> </tr> <tr> <td>3 Spandy</td> <td></td> <td></td> </tr> </table>			1 W	M	1 S	2 Y	2	2	3 Straggle	3	3	3 Spandy		
1 W	M	1 S																				
2 Y	2	2																				
3 Straggle	3	3																				
3 Spandy																						
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica															
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum															
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate															
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix															
					6 Crocidolite	6 Wollastonite	6 Perlite															
					0 None Detected	7 Hair	7 Other															
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers	Optical Properties												
WBS 1532605		1		1-2%			1	78		1.54 1.55												
		2					7	20		1 M S												
		1	2							2 B E												
1532606		1		1-2%			1	78		1.54 1.55 1.71 1.7												
		2	2	6-1%			7	20		1 M S 2 2												
		1								2 B E 1 1 1												
1532607		1		NO			1	80		1 1												
		2	2				7	20		M S												
		1								P B E												
1532608		1		1-2%			1	78		1.54 1.55 1.71 1.7												
		2	2	6-1%			7	20		1 M S 2 2												
		1								2 B E 1 1 1												
										1 1												
										M S												
										P B E												
										1 1												
										M S												
										P B E												
										1 1												
										M S												
										P B E												

Analyst Margaret Phillips Date 12/1/97 Computer _____ Date _____

ENVIRONMENTAL PROTECTION
**OFFICIAL
 CHAIN OF CUSTODY RECORD**

PROJ NO 020601 RAGI		PROJECT NAME Westbank Asbestos			NO OF CON TAINERS	PLM (Asbestos)										REMARKS	
SAMPLERS (Signature) Alma Rillea																	
STA NO DATE TIME COMP CRAB STATION LOCATION																	
WB51570 G01		11-25	1045	X		(b) (6)	1	X							6-165281		
WB51524 G01		11-25	1610	X		(b) (6)	1	X							6-165283		
WB51524 G02		11-25	1618	X		(b) (6)	1	X							6-165284		
WB51524 G03		11-25	1615	X		(b) (6)	1	X							6-165285		
WB51524 G04		11-25	1618	X		(b) (6)	1	X							6-165286		
WB51524 G05		11-25		X		(b) (6)	1	X							6-165290	11-25-97	
WB51524 G06		11-25		X		(b) (6)	1	X							6-165291	AR 11-25-97	
WB51594 G01		11-25	1424	X		(b) (6)	1	X							6-165292		
WB51447 G05			1515	X		(b) (6)	1	X							6-165722		
WB51447 G06			1525	X		(b) (6)	1	X							6-165723		
WB51532 G05			1520	X		(b) (6)	1	X							6-165293		
WB51532 G06			1523	X		(b) (6)	1	X							6-165294		
WB51532 G07			1525	X		(b) (6)	1	X							6-165295		
WB51532 G08			1527	X		(b) (6)	1	X							6-165296		
Alma Rillea																	
Relinquished by (Signature) A. Rillea		Date / Time 11-25-97 1629		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)							
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)							
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature) Deb S...		Date / Time 11/26 1900		Remarks									
Shipped by FED-EX				Airbill Number 800858286813													

Distribution White Accompanies Shipment Pink to Coordinator Field Files
 Green to Report Yellow Returns with Warrant

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday December 03 1997

Ref Number IN971786

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS REMOVAL

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1524G05	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			80% Quartz 20% Other
WBS1524G06		Brown Non Fibrous Homogeneous	Crushed	None Detected			80% Quartz 20% Other
WBS1532G09		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			78% Quartz 20% Other
WBS1532G10		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile < 1% Crocidolite			78% Quartz 20% Other
WBS1532G11		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile			78% Quartz 20% Other
WBS1532G12		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile			77% Quartz 20% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips
Analyst

Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200408-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894

EMSL

Attn: Alma Rillera
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Wednesday December 03 1997

Ref Number IN971786

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS REMOVAL

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1532G13	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	10% Chrysotile < 1% Crocidolite			70% Quartz 20% Other
WBS1581G01		Brown Non Fibrous Homogeneous	Crushed	None Detected			80% Quartz 20% Other
WBS1581G02		Brown Non Fibrous Homogeneous	Crushed	None Detected			80% Quartz 20% Other
WBS1581G03		Brown Non Fibrous Homogeneous	Crushed	None Detected			80% Quartz 20% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method

Marqaret Phillips

Marqaret Phillips
Analyst

[Signature]

Approved
Signatory

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Analyse performed by EMSL of Indianapolis (NVLAP Air and Bulk #290480-0)

LIVRE: JUNE 1968

EPA 7500-53
(11/96)

6- 08969

PLM Analysis Worksheet

Client Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 12/2/97
Date/Time Due 12/3/97 9 19 AM

TAT 1 Day

Fax (504) 363 - 4732

Special Handling

Billing Number

IN971786

Project WEST BANK ASBESTOS REMOVAL

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown	6 Various	11 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	1 Wavy	1 Low	1 Parallel
2 Grey	7 Black	12 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica	2 Straight	2 Med	2 Symmetric
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum	3 Speckly	3 High	3 Oblique
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate			
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix			
					6 Crocidolite	6 Wollastonite	6 Perlite			
					0 None Detected	7 Hair	7 Other			

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	P	B	E
WBS 1524605		1		1- <1%			1	80		1.54	1.55	1.71
		2		6- <1%			7	20		1	1	2
		1	2							2	1	1
1524606		1		NO			1	80				
		2					7	20				
		1	2									
1532609		1		1-2%			1	78		1.54	1.55	1.71
		2		6- <1%			7	20		1	1	2
		1	2							2	1	1
1532610		1		1-2%			1	78		1.54	1.55	1.71
		2		6- <1%			7	20		1	1	2
		1	2							2	1	1
1532611		1		1-2%			1	78		1.54	1.55	1.71
		2					7	20		1	1	2
		1	2							2	1	1
1532612		1		1-3%			1	77		1.54	1.55	1.71
		2					7	20		1	1	2
		1	2							2	1	1
1532613		1		1-10%			1	70		1.54	1.55	1.71
		2		6- <1%			7	20		1	1	2
		1	2							2	1	1
1581601		1		NO			1	80				
		2					7	20				
		1	2									

Analyst Margaret Phillips Date 12/3/97 Computer _____ Date _____

PLM Analysis Worksheet

Client **Ecology & Environment**
 Address **11550 New Castle Avenue**
Baton Rouge LA 70816

Logged **12/2/97**
 Date/Time Due **12/3/97 9 19 AM**

TAT **1 Day**

2

Fax **(504) 363 - 4732**

Special Handling

Billing Number

IN971786

Project **WESTBANK ASBESTOS REMOVAL**

Appearance				Treatment	Asbestos Results	Fibrous	Non Fibrous	Optical Properties		
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	1 Worn 2 Straggle 3 Specify	12	1 Parallel 2 Symmetric 3 Oblique
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica			
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum			
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate			
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix			
					6 Crocidolite	6 Wollastonite	6 Perlite			
					0 None Detected	7 Hair	7 Other			

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non Fibrous Type	Non Fibrous %	# Layers	P 1 Yes 2 No	B 1 Low 2 Med 3 High	E 1 Parallel 2 Symmetric 3 Oblique
WBS1581602		1		NO			1	80				II
		2					1	20				S
		1	2							P	B	E
WBS1581603		1		NO			1	80				II
		2					1	20				S
		1	2							P	B	E
												II
												S
										P	B	E
												II
												S
										P	B	E
												II
												S
										P	B	E
												II
												S
										P	B	E

Analyst Margaret Phillips Date 12/3/97 Computer _____ Date _____

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Chris Dansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday December 04 1997

Ref Number IN971806

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS PROJECT

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1048G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile		80% Quartz 18% Other
WBS1048G02		Brown Non Fibrous Homogeneous	Crushed	3%	Chrysotile		77% Quartz 20% Other
WBS1563G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile Crocidolite		80% Quartz 20% Other
WBS1572G01		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other
WBS1752G02		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other
WBS1572G03		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		80% Quartz 20% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method

Margaret J. Phillips

Margaret Phillips
Analyst

Robert L. Kelly

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0).

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Chris Dansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Thursday December 04 1997

Ref Number IN971806

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS PROJECT

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
826 3/26/98 WBS1752G04 WBS1572G04	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile		78% Quartz 20% Other
WBS1167G01		Brown Non Fibrous Homogeneous	Crushed	1%	Chrysotile 1% Crocidolite		78% Quartz 20% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method

Margaret Phillips
Analyst

Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

CHAIN OF CUSTODY RECORD

PROJ NO 020601		PROJECT NAME Westbank Asbestos Project				NO OF CON TAINERS	<div>PLM (Asbestos)</div> <div>REMARKS</div> <div>EPA TAG #</div>									
SAMPLERS (Signature) <i>[Signature]</i> / <i>[Signature]</i>																
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION											
WBS1548 601	12-2	1050	X		(b) (6)	1	X								6-165732	
WBS1548 602		1050	X			1	X								6-165733	
WBS1563 601			X		(b) (6)	1	X								6-165734	
WBS1572 601		1520	X			1	X								6-165735	
WBS1572 602		1525	X			1	X								6-165736	
WBS1572 603		1530	X			1	X								6-165737	
WBS1572 604		1535	X			1	X								6-165737	
WBS1167 601		1555	X		(b) (6)	1	X								6-165800	
Relinquished by (Signature)						Date / Time		Received by (Signature)			Date / Time		Received by (Signature)			
Relinquished by (Signature)						Date / Time		Received by (Signature)			Date / Time		Received by (Signature)			
Relinquished by (Signature)						Date / Time		Received for Laboratory by (Signature)			Date / Time		Remarks			

Distribution Original Accompanies Shipment Copy to Coordinator Field Files

PLM Analysis Worksheet

Client - Ecology & Environment
Address 11550 New Castle Avenue
Baton Rouge LA 70816

Logged 12/3/97
Date/Time Due 12/4/97 9 00 AM

TAT 1 Day

Fax (504) 363 4732

Special Handling

Billing Number

IN971806

Project WESTBANK ASBESTOS PROJECT

Appearance				Treatment	Asbestos Results		Fibrous		Non Fibrous		# Layers	Optical Properties		
1 Brown	6 Vanous	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz							
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica							
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum							
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate							
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix							
					6 Crocidolite	6 Wollastonite	6 Perlite							
					0 None Detected	7 Hair	7 Other							

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non Fibrous Type	%	# Layers	P Yas	B Low	E Med	S High	1 Parallel	2 Symmetric	3 Oblique
NBS 1048601		1	2	1-2%			1	80	154 155							
		2					7	18								
		1														
1048602		1	2	1-3%			1	77	154 155							
		2					7	20								
		1														
1563601		1	2	1-<1%			1	80	154 155					171	170	
		2					7	20						2	2	
		1													1	1
1572601		1	2	1-<1%			1	80	154 155							
		2					7	20								
		1														
1572602		1	2	1-<1%			1	80	154 155							
		2					7	20								
		1														
1572603		1	2	1-<1%			1	80	154 155							
		2					7	20								
		1														
1572604		1	2	1-2%			1	78	154 155							
		2					7	20								
		1														
1167601		1	2	1-1%			1	78	154 155					171	170	
		2					7	20						2	2	
		1													1	1

Analyst Margaret Phillips Date 12/4/97 Computer lls Date 12/4/97



Attn: Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Friday December 05 1997

Ref Number IN971829

POLARIZED LIGHT MICROSCOPY (PLM)

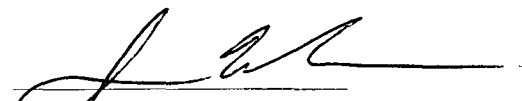
Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS REMOVAL PROJECT

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS1416 G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1571G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1571G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other
WBS1571G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1567G01		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			40% Quartz 60% Other
WBS1567G02		Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile			40% Quartz 58% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn: Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Friday December 05 1997

Ref Number IN971829

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project WESTBANK ASBESTOS REMOVAL PROJECT

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1567G03	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		60% Quartz 40% Other
WBS1567G04	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		< 1% Chrysotile		70% Quartz 30% Other
WBS1567G05	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		70% Quartz 30% Other
WBS1567G06	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		70% Quartz 30% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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CHAIN OF CUSTODY RECORD

PROJ NO		PROJECT NAME				NO OF CON TAINERS	REMARKS										
SAMPLERS (Signature)																	
STA NO	DATE	TIME	COMP	GRAB	STATION LOCATION												
WBS1416 G01	12-3-97	0855	X		(b) (6)	1	X										6-165739
WBS1571 G01		1415	X			1	X										6-165740
WBS1571 G02		1420	X			1	X										6-165741
WBS1571 G03		1425	X			1	X										6-165742
WBS1567 G01		1525	X		(b) (6)	1	X										6-165743
WBS1567 G02		1528	X			1	X										6-165744
WBS1567 G03		1531	X			1	X										6-165745
WBS1567 G04		1537	X			1	X										6-165746
WBS1567 G05		1540	X			1	X										6-165747
WBS1567 G06		1543	X			1	X										6-165748
Relinquished by (Signature)						Date / Time		Received by (Signature)						Date / Time		Received by (Signature)	
Relinquished by (Signature)						Date / Time		Received by (Signature)						Date / Time		Received by (Signature)	
Relinquished by (Signature)						Date / Time		Received for Laboratory by (Signature)						Date / Time		Remarks	

PLM (ARBS) 12/4/97 9:00AM

Distribution Original Accompanies Shipment Copy to Coordinator Field Files

6-10036

EMSL Analytical, Inc.

6330 East 75th Street, Suite 152
Indianapolis, Indiana 46250
Phone (317) 570-5892 Fax (317) 570-5894



Attn Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Suite 250
Baton Rouge LA 70816

Tuesday December 09 1997

Ref Number IN971848

POLARIZED LIGHT MICROSCOPY (PLM)

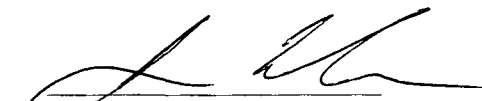
Performed by EPA 600/R-93/116 Method*

Project Westbank Asbestos Proj#020601

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1619G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1572G05		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1572G06		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS127G01		Brown Non Fibrous Homogeneous	Crushed	< 1% < 1%	Chrysotile Crocidolite		70% Quartz 30% Other
WBS127G02		Brown Non Fibrous Homogeneous	Crushed	< 1% < 1%	Chrysotile Crocidolite		70% Quartz 30% Other
WBS127G03		Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		70% Quartz 30% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

Disclaimers PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All NVLAP reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200100-0)

EMSL Analytical, Inc.

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Attn Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Suite 250
Baton Rouge LA 70816

Tuesday December 09 1997

Ref Number IN971848

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project Westbank Asbestos Proj#020601

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS127G04	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	3%	Chrysotile 1% Crocidolite		40% Quartz 56% Other
WBS127G05		Brown Non Fibrous Homogeneous	Crushed	3%	Chrysotile 1% Crocidolite		40% Quartz 56% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200100-0)

[illegible]

6-10038

EMSL Analytical, Inc.

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Attn Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

REC'D DEC 15 1997

Tuesday December 09 1997

Ref Number IN971871

POLARIZED LIGHT MICROSCOPY (PLM)

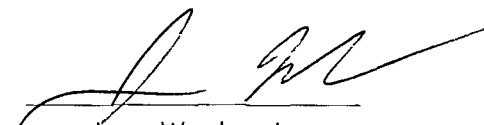
Performed by EPA 600/R-93/116 Method*

Project Proj#020601 Westbank Asbestos Removal

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS1621G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1621G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			40% Quartz 60% Other
WBS1599G01		Brown Non Fibrous Homogeneous	Crushed	None Detected			80% Quartz 20% Other
WBS1599G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			80% Quartz 20% Other
WBS1599G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile < 1% Crocidolite			80% Quartz 20% Other
WBS1562G01		Brown Non Fibrous Homogeneous	Crushed	3% Chrysotile 1% Crocidolite			40% Quartz 56% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200188-0)

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Attn: Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday December 09 1997

Ref Number IN971871

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project Proj#020601 Westbank Asbestos Removal

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS1604G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2% Chrysotile 1% Crocidolite			50% Quartz 47% Other
WBS1604G02		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			20% Quartz 80% Other
WBS1604G03		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			20% Quartz 80% Other
WBS1604G04		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			15% Quartz 85% Other
WBS1604G05		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			15% Quartz 85% Other
WBS1604G06		Brown Non Fibrous Homogeneous	Crushed	< 1% Chrysotile			15% Quartz 85% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately. Also # of Layers refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198.1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Attn Chris Sansome
Ecology & Environment
11550 New Castle Avenue
Baton Rouge LA 70816

Tuesday December 09 1997

Ref Number IN971871

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project Proj#020601 Westbank Asbestos Removal

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS1604G07	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		20% Quartz 80% Other
WBS1604G08	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	2%	Chrysotile		20% Quartz 78% Other
WBS1604G09	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		40% Quartz 60% Other
WBS1623G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile < 1% Crocidolite		40% Quartz 60% Other
WBS1623G02	(b) (6)	Brown Non Fibrous Homogeneous	Crushed	< 1%	Chrysotile		20% Quartz 80% Other
WBS1474G01	(b) (6)	Brown Non Fibrous Homogeneous	Crushed		None Detected		40% Quartz 60% Other

Comments For all obviously heterogeneous samples easily separated into subsamples and for layered samples each component is analyzed separately
Also # of Layers refers to number of separable subsamples

* NY samples also analyzed by ELAP 198 1 Method


Jane Wasilewski
Analyst


Approved
Signatory

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Analysis performed by EMSL of Indianapolis (NVLAP Air and Bulk #200100-8)

5-10040

ENVIRONMENTAL PROTECTION AGENCY

Office of Enforcement

CHAIN OF CUSTODY RECORD

REGION 6

First International Bldg, 1201 Elm St

Dallas, Texas 75270

PROJ NO		PROJECT NAME				NO OF CON TAINERS	REMARKS									
024641		Westbank Asbestos Removal														
SAMPLERS (Signature)						EPA TAG #										
1/20/97 / Chris Somers																
STA NO	DATE 1997	TIME	COMP	GRAB	STATION LOCATION											
WB31601 (G-01)	12/5	0855	X		(b) (6)	1	X									6-165758
WB31601 (G-01)	12/5	0855	X		(b) (6)	1	X									6-165759
WB31599 (G-01)	12/5	0930	X		(b) (6)	1	X									6-165760
WB31599 (G-02)		0935	X			1	X									6-165761
WB31599 (G-03)		0935	X			1	X									6-165762
WB31599 (G-04)		1000	X		(b) (6)	1	X									6-165763
WB31604 (G-01)	12-5	1340	X			1	X									6-165764
WB31604 (G-02)		1343	X			1	X									6-165765
WB31604 (G-03)		1348	X			1	X									6-165766
WB31604 (G-04)		1351	X			1	X									6-165767
WB31604 (G-05)		1342	X			1	X									6-165768
WB31604 (G-06)		1342	X			1	X									6-165769
WB31604 (G-07)		1355	X			1	X									6-165770
WB31604 (G-08)		1359	X			1	X									6-165771
WB31604 (G-09)		1405	X			1	X									6-165772
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)						
[Signature]		12/5/97 1440														
Relinquished by (Signature)		Date / Time		Received by (Signature)		Relinquished by (Signature)		Date / Time		Received by (Signature)						
Relinquished by (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks								

PLM/ASBESTOS

Be Careful of Broken Glass

Distribution Original Accompanies Shipment Copy to Coordinator Field Files

6-10039